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INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

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COUNTRY	USSR (Vologda Oblast)	REPORT	
SUBJECT	Thermal Electric Power Plant in Cherepovets	DATE DISTR.	31 October 1956
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1. A thermal electric power plant was located in the eastern part of Cherepovets (N 59-08, E 37-54). (See sketch . . .) . . . Street and on the east by the Yagorba River, which emptied into the Sheksna River, and was 1,000 to 1,500 meters south of the Cherepovets-Vologda railroad line. The plant proper occupied a one-story building, irregular in shape, approximately 30m x 30m x 8m, which faced east. It was situated on the western side of a rectangular wooden stockade which surrounded an area 300m x 100m. Two semi-subterranean brick furnaces, 4m x 2.5m in area and 4 meters high, projected about one meter above the ground at the entrance to this building. The upper part of the furnaces was arched, and the lower part was quadrangular in shape. A vertical cylindrical boiler, made of steel, four meters in diameter and six meters high, was above each furnace. A quadrangular housing of brick and plaster ran two-thirds of the way up these boilers, from which several pipes led to the machine room. The boilers worked independently of one another, one in operation, the other in reserve.
2. Energy was supplied by burning wood, mostly pine, which was probably floated down the Sheksna River. The plant consumed about 125 cubic meters of wood in 24 hours. The wood was thrown into the furnace in sections from one to two meters long. A large pile of reserve wood was piled up within the stockade that surrounded the plant.
3. The plant was operated by about 40 men, working in three shifts. The furnace was tended by two men as stokers, while six men carried wood. The plant had a superintendent and an engineer who supervised the technical operation. A number of mechanics or technicians were employed. About 100 prisoners were used to draw logs out of the river and cut them up. A brigade of free women was engaged in placing the fuel wood in carts that ran on rails to the power plant.
4. The plant furnished power for the entire population of Cherepovets and for nearly all of its industry, although some of the factories were believed to have power plants of their own.
5. A new building . . . was under construction . . . It was the same width as the old one but five to six meters longer and, judging from

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the windows, was a three-story structure. This new building, which was not equipped with machinery in 1949, was intended to increase the capacity of the plant. It was to be equipped with a hydraulic turbine.

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1. Comment: describing an old-fashioned fire-tube or Scotch boiler.

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CHEREPOVETS Central Thermal Power Plant

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Diyetskaya Street

New Factory building

Power plant

Power plant
offices

Wood

Tracks for flatcars that bring firewood to power plant

Fuel wood

Wood

Fuel wood

Yagorba River

SECRET